



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

68889-1

Date of Issuance:

4/2/20

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Hawaii Fly Bait Brand Olive Fruit Fly

Name and Address of Registrant (include ZIP Code):

Tephritid Control, Inc.
c/o Spring Trading Company
203 Dogwood Trails
Magnolia, TX 77354

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 68889-1."

Signature of Approving Official:

Michael Walsh, Product Manager 10
Invertebrate & Vertebrate Branch 2, Registration Division (7505P)

Date:

4/2/20

3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is attached for your records. Please also note that the record for this product currently contains the following CSF:

- Basic CSF dated 11/25/2019

If you have any questions, please contact Debra Rate by phone at (703) 306-0309, or via email at rate.debra@epa.gov

Attachment

{Text in braces { } will not appear on the final label.}
 {Text in brackets [] is optional and may or may not appear on the final label.}

{Front Panel Start}

Hawaii Fly Bait Brand

Olive Fruit Fly

HAWAII FLY BAIT BRAND OLIVE FRUIT FLY kills the Olive Fruit Fly (*Bactrocera oleae*) utilizing multiple bait sites within a treatment area each containing 4 separate baits. This package contains 4 separate color coded containers labeled baits A, B, C & D and must be used in combination to achieve control of the olive fruit fly, when used in accordance with the DIRECTIONS FOR USE for this product.

ACTIVE INGREDIENTS :

Spinosad (a mixture of spinosyn A and spinosyn D).....	0.30%
INERT INGREDIENTS.....	99.70%
TOTAL.....	100.00%

KEEP OUT OF REACH OF CHILDREN
CAUTION

[See [side] [back] [other] panel for additional precautionary statements and first aid.]
 [See attached booklet for additional precautionary statements and first aid.]

EPA Reg. No. 68889-X
 EPA Est. No. _____

Reorder #

Net Contents: 12oz. (340g) 24oz. (680g) 48oz. (1,360g) 96oz. (2,720g) 192 oz. (5,440g)
 [4 [plastic][HDPE] jars containing [85][170][340][680][1,360] grams each]

[Packed For:]	Tephritid Control, Inc.
[Distributed By:]	PO Box 13
[Sold By:]	Captain Cook, Hawaii, USA 96704
	Phone: (808) 640-0696
	Email: olivefruitfly@gmail.com

{End Front Panel}



FIRST AID	
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information..	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION. Wash thoroughly with soap and water after handling and before eating drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt and long pants, socks, shoes, and waterproof gloves. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Waterproof gloves
- Long-sleeved shirt and long pants
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash outside of the gloves before removing. Wash thoroughly and change clothing as soon as possible.

ENVIRONMENTAL HAZARDS

This product is highly toxic to bees and other pollinating insects exposed to direct treatment, or to residues in/on blooming crops or weeds. Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms. This product is toxic to aquatic invertebrates. Applying this product when rain is not predicted for the next 24 hours will help reduce potential risk to aquatic invertebrates by reducing pesticide runoff from the treatment area into water bodies.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and

restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

RESISTANCE MANAGEMENT RECOMMENDATIONS: For resistance management, HAWAII FLY BAIT BRAND OLIVE FRUIT FLY contains a Group 5 insecticide. Any insect population may contain individuals naturally resistant to HAWAII FLY BAIT BRAND OLIVE FRUIT FLY and other Group 5 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of HAWAII FLY BAIT BRAND OLIVE FRUIT FLY or other Group 5 insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact HAWAII FLY BAIT BRAND OLIVE FRUIT FLY at 206-855-3109 or toll-free at 808-640-0696 from 8AM-5PM Hawaii standard time or email olivefruitfly@gmail.com.

PRODUCT INFORMATION

{Note to Reviewer: The package size will correspond to the appropriate product weight and number of splotches.}

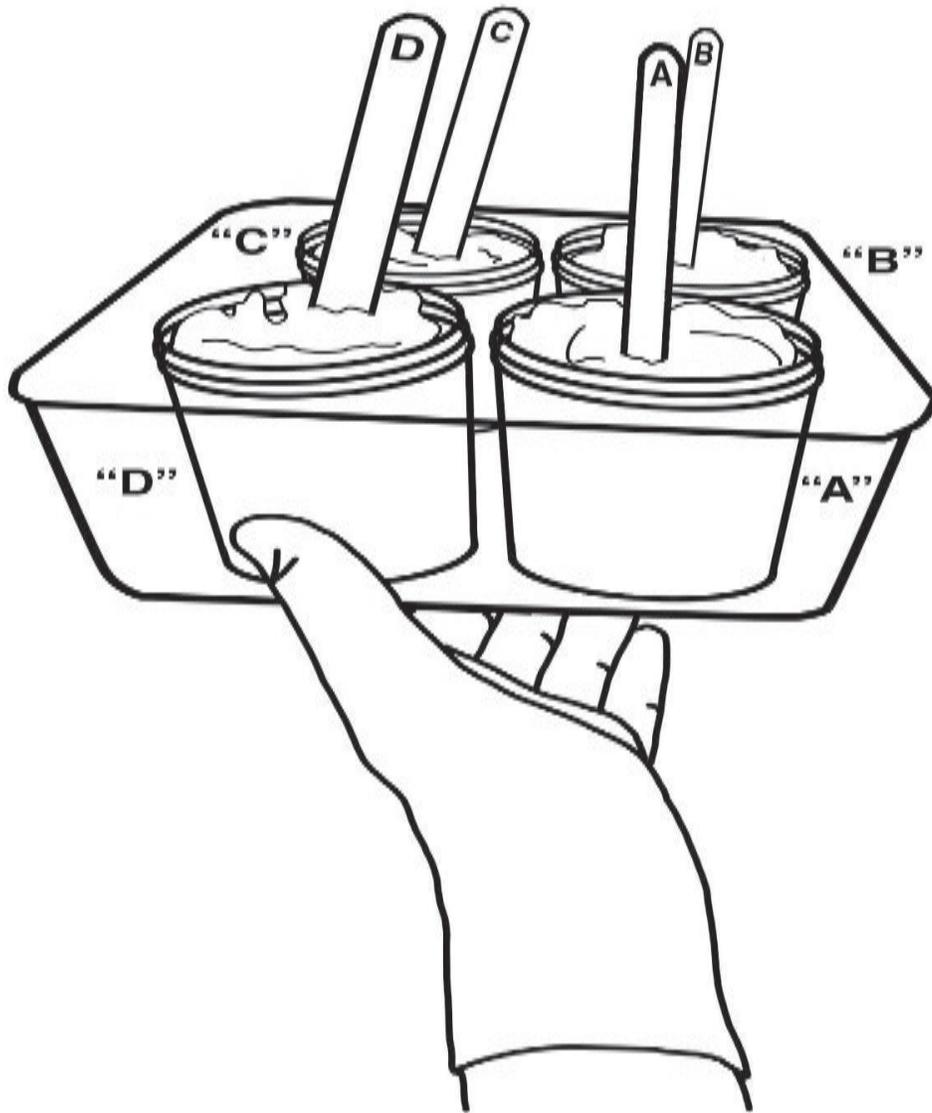
This product contains 4 [plastic][HPDE] jars containing [85][170][340][680][1,360] grams baits A, B, C, & D respectively for a total of [340][680][1,360][2,720][5,440] grams; enough to make [170][340][680][1,360][2,720] bait splotches (2 grams each). **Note:** 2 grams is 1/2 teaspoon; Use 2 grams per splotch.

USE RESTRICTIONS:

- Workers must not have contact with this product after application.
- This product must not be applied directly to any part of the tree.
- Do not use when the temperature exceeds 117°F (42°C).
- Do not reuse measuring spoons for any other purpose.
- Baits A, B, C, and D must be used together as a system as described in this label.
- Not for use in residential areas.
- Do not apply more than 0.0137 pounds Spinosad per acre, per year.
- Do not apply at more than 69 locations per acre.
- Do not refill bait sites more than 4 times per bait, per year.

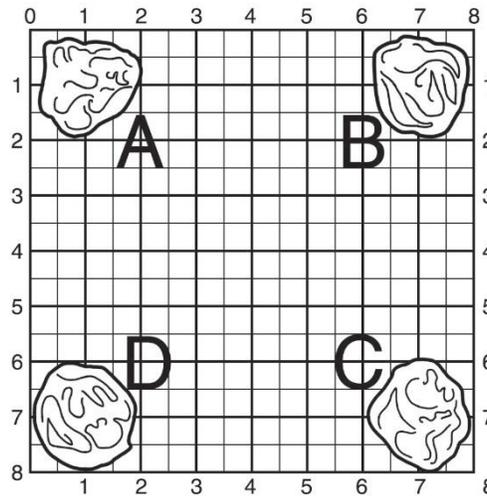
APPLICATION DIRECTIONS

TO PREVENT BAIT CROSS-CONTAMINATION use 4 different application spatulas or half teaspoons; one for each bait appropriately marked A, B, C, & D. **NOTE:** Spatulas, half teaspoons and the tray in the image below are not included with product. **DO NOT REUSE HALF TEASPOONS AND SPATULAS FOR ANY OTHER PURPOSE.**



Place Bait Splotches near the corners of the bait site. One olive fruit fly bait site has 4 bait splotches (green, blue, yellow, and red) measuring 2 grams each (a half teaspoon) and separated by at least 2 to 5 inches to prevent bait cross-contamination. See picture below.

Typical Placement of Bait on Plastic Wrap or Pedestal (inches)



USE RECOMMENDATIONS:

For bait fragrances to volatilize correctly, locations with daytime high temperatures above 78°F (25.6°C) require shade for cooling bait; locations with daytime high temperatures below 78°F (25.6°C) require direct sunlight for warming bait. In locations with average daytime high temperatures above 78°F (25.6°C), baits can melt resulting in wasted bait and requiring replacement of bait in bait sites.

PLEASE NOTE: FOR CALIFORNIA CENTRAL COAST LOCATIONS

The “Central Coast” is an area of California, United States, roughly spanning the coastal region between Point Mugu and Monterey Bay. It lies northwest of Los Angeles County and south of San Francisco and San Mateo counties. Six counties make up the Central Coast: from south-to north, Ventura, Santa Barbara, San Luis Obispo, Monterey, San Benito, and Santa Cruz.

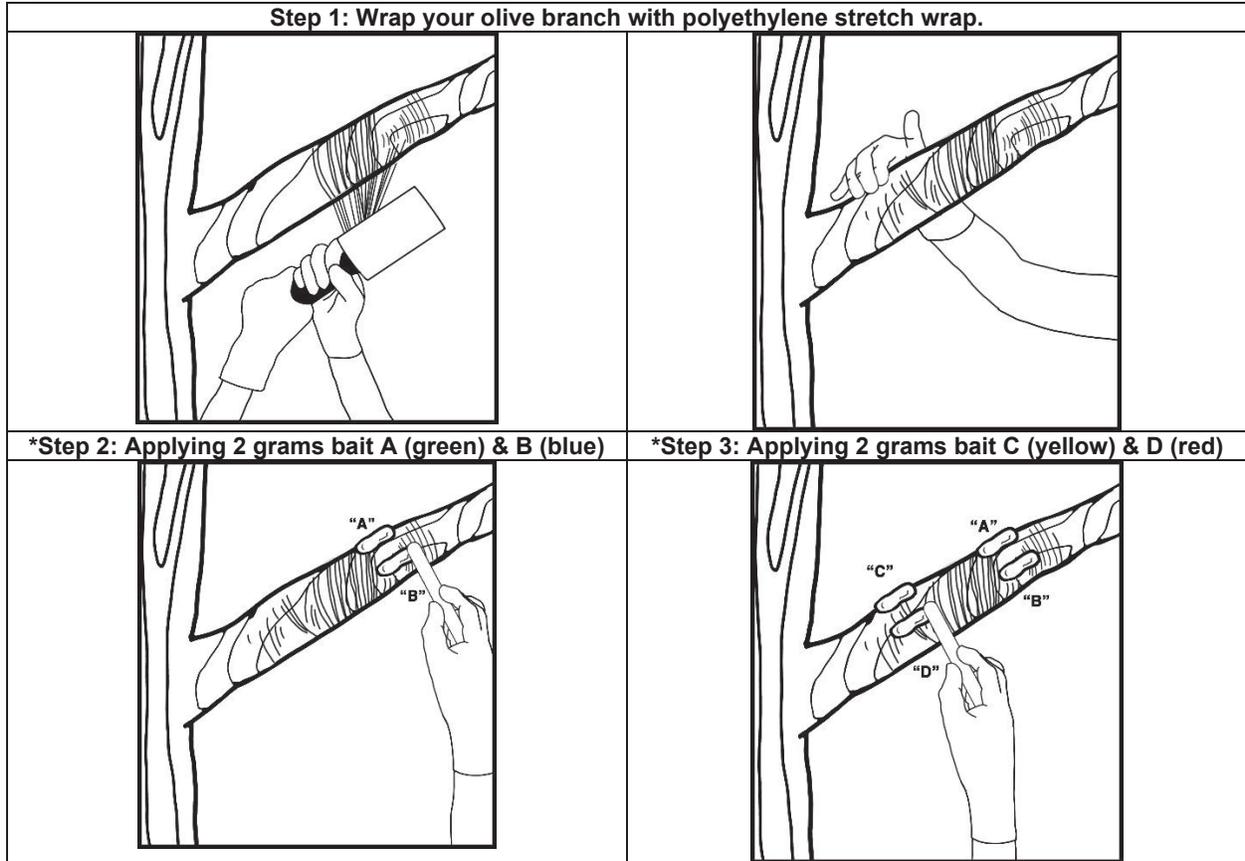
The “Central Coast” due to its temperature inversion is generally too cold to volatilize the bait, particularly during the months of October & November as olives are ripening. Cooler temperatures further reduce the baits' fragrance volatilization adding to the olive fruit fly pest pressure; thus further reducing baits' fragrance volatilization.

Olive fruit flies survive from about 50°F (10°C) to 104°F (40°C) meaning “Central Coast” has olive fruit flies all year.

In these cold areas, instead of placing bait inside the olive tree canopy in the shade, baits must be exposed to direct sunlight to heat bait and trigger fragrance volatilization.

For direct sunlight bait site deployment, you have the option to use pedestal bait sites OR applying the bait sites to a polyethylene plastic wrapped inner olive tree branch with the olive tree scaffolding pruned to allow direct sunlight onto bait.

Figure 1.



*NOTE: Bait splotches should always be applied on the top (horizontal) portion of the branch.

DETAILED INSTRUCTIONS FOR LOCATIONS WITH DAYTIME HIGH TEMPERATURES ABOVE 78°F (or 25.6°C) – SHADE APPLICATION

Application:

STEP ONE: Determine the most appropriate layout for the deployment of the bait sites based on grove size and shape.

STEP TWO: Wrap 12 to 16 inches, of an inner olive tree branch shaded by the tree's canopy, tightly with polyethylene plastic wrap [(see Figure 1 above)] that clings to itself. For small, young, or dwarf trees with branches less than 2 inches in diameter, you may have to wrap up to 4 separate branches.

STEP THREE: Use 2 grams (1/2 teaspoon) per bait A, B, C, & D; apply bait using a stainless steel or wooden spatula to the polyethylene plastic wrap on the top (horizontal) portion of the branch, 2 to 5 inches away from each other, as pictured in Figure 1 above.

[Alternate application using waxed paper or cardboard Delta Type Feeder:

STEP ONE: Determine the most appropriate layout for the deployment of the bait sites based on grove size and shape.

STEP TWO: For waxed paper or cardboard Delta Type Feeders, each 2 gram (1/2 teaspoon) splotch of baits A, B, C & D can be applied each in one of the four corners of one feeder.

STEP THREE: Use 2 grams (½ teaspoon) per bait A, B, C, & D; apply bait using a stainless steel or wooden spatula to the feeder 2 to 5 inches away from each other, as pictured in the Delta Type feeder image.
STEP FOUR: Attach feeder to an inner olive branch shaded by the tree's canopy.]

[Alternate application using waxed paper or cardboard Hanging Feeders:

STEP ONE: Determine the most appropriate layout for the deployment of the bait sites based on grove size and shape.

STEP TWO: For waxed paper or cardboard hanging feeders, each 2 gram (1/2 teaspoon) splotch of baits A, B, C & D can be applied each in one of the four corners of one feeder.

STEP THREE: Use 2 grams (½ teaspoon) per bait A, B, C, & D; apply bait using a stainless steel or wooden spatula to the feeder 2 to 5 inches away from each other, as pictured in the hanging type feeder image.

STEP FOUR: Attach feeder to an inner olive branch shaded by the tree's canopy.]

DETAILED INSTRUCTIONS FOR LOCATIONS WITH DAYTIME HIGH TEMPERATURES BELOW 78°F (or 25.6°C) – DIRECT SUNLIGHT APPLICATION

Application:

STEP ONE: Determine the most appropriate layout for the deployment of the bait sites based on grove size and shape.

STEP TWO: Wrap 12 to 16 inches, of an olive tree branch, with the scaffolding pruned allowing direct sunlight onto bait, tightly with polyethylene plastic wrap [(see Figure 1 above)] that clings to itself. For small, young, or dwarf trees with branches less than 2 inches in diameter, you may have to use up to 4 separate branches.

STEP THREE: Use 2 grams (½ teaspoon) per bait A, B, C, & D: apply bait using a stainless steel or wooden spatula to the polyethylene plastic wrap on the top (horizontal) portion of the branch, 2 to 5 inches away from each other, as pictured in Figure 1 above.

[Alternate application using pedestal bait sites:

STEP ONE: Determine the most appropriate layout for the deployment of the pedestal bait sites based on grove size and shape. The pedestals should be deployed outside of the canopy of the tree, to allow direct sunlight onto bait.

STEP TWO: For pedestal bait sites, each 2 gram (1/2 teaspoon) splotch of baits A, B, C & D can be applied in the four corners of one pedestal.

STEP THREE: Use 2 grams (½ teaspoon) per bait A, B, C, & D: apply bait using a stainless steel or wooden spatula to the bait site 2 to 5 inches away from each other, as pictured in the pedestal bait site image.]

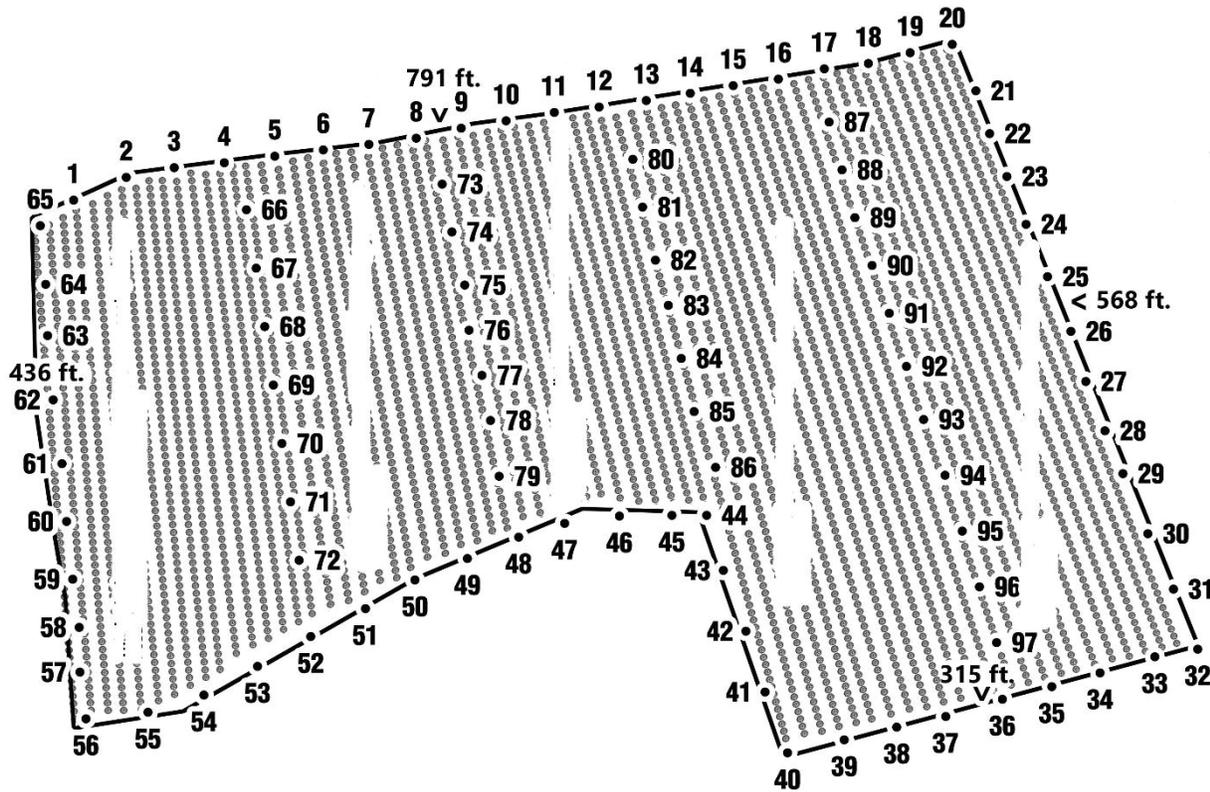
Layout:

Use rate for 1 acre olive plantings:

Apply 19 bait sites per acre, distance between perimeter bait sites should not exceed 55 feet and interior rows are needed when the maximum distance between perimeter rows exceeds 180 feet. For example, a square grove should contain 16 bait sites spaced 55 feet apart around the perimeter of the grove, and 3 bait sites in a line down the middle of the grove. For oddly shaped groves, (Example: long rectangle), perimeter bait sites should be spaced more narrowly than 55 feet and bait sites within the grove are not needed. Do not apply more than 69 bait sites per acre. If olive fly pressure is so great olive flies consume bait splotches then you'll need to reapply consumed bait. Do not refill bait sites more than 4 times per bait, per year.

Use rate for more than 1 acre olive plantings:

Apply 19 bait sites per acre, distance between perimeter bait sites should not exceed 55 feet. Within the olive grove itself, interior rows should be relatively equally spaced and are needed when the maximum distance between perimeter rows exceeds 180 feet. Do not apply more than 69 bait sites per acre. If olive fly pressure is so great olive flies consume bait splotches then you'll need to reapply consumed bait. Do not refill bait sites more than 4 times per bait, per year..



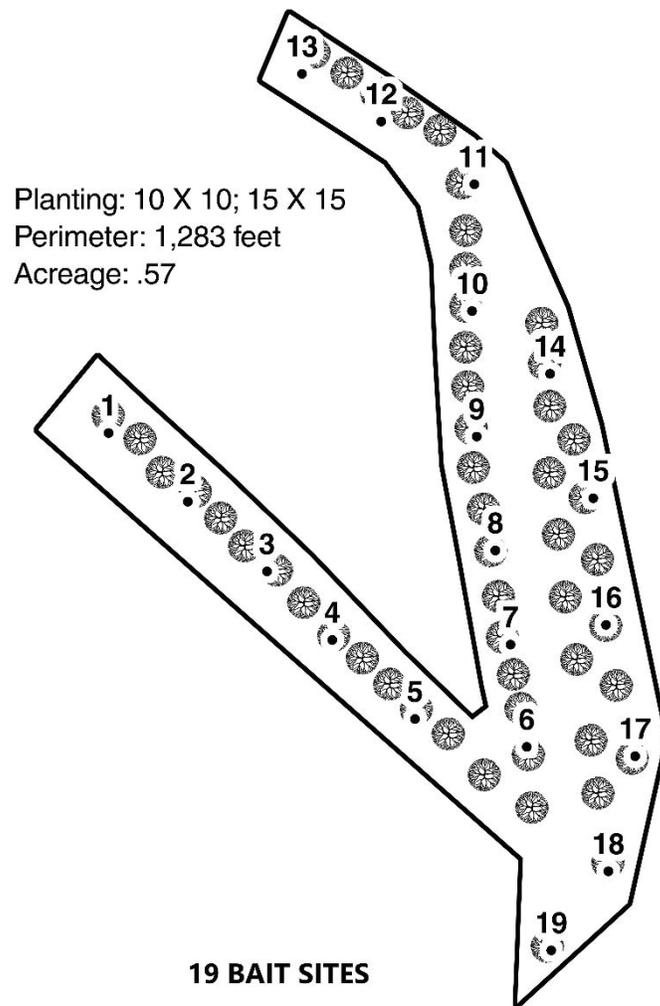
97 BAIT SITES

For olive groves less than 1 acre in size:

The use rate may range from 33 to 69 bait sites per acre. Place bait sites approximately 20 to 40 feet apart. Do not apply more than 69 bait sites per acre. If olive fly pressure is so great olive flies consume bait splotches then you'll need to reapply consumed bait. Do not refill bait sites more than 4 times per bait, per year.

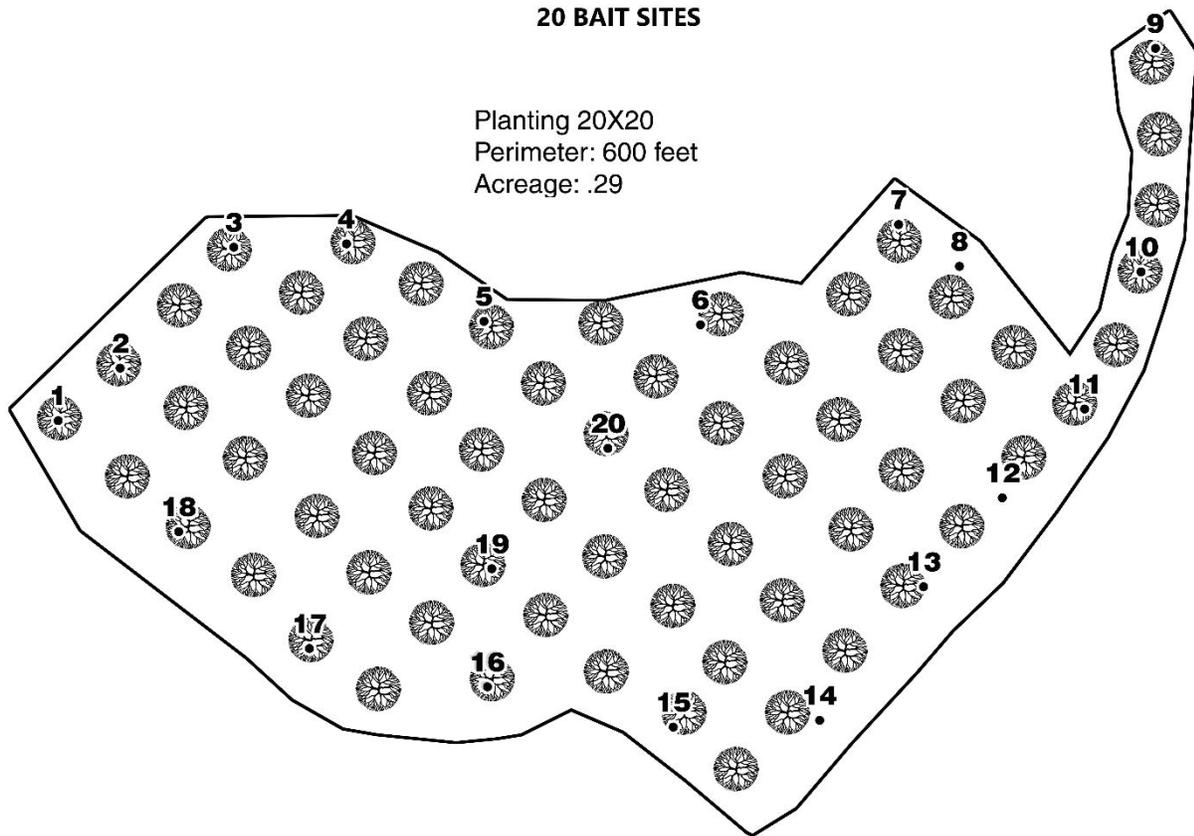
In relatively straight rows:

1. 1 to 3 total trees then one bait site per tree.
2. 4 to 10 total trees then one bait site at either end of row & then every other tree.
3. 11 to 30 total trees then one bait site at either end of each row and then every 3rd tree. Interior rows are needed when the maximum distance between perimeter rows exceeds 180 feet.
4. 31 total trees and up then one bait site at either end of each row and then every 4th tree. Interior rows are needed when the maximum distance between perimeter rows exceeds 180 feet.



In squares or rectangles:

1. 4 to 10 total trees then one bait site at each corner.
2. 11 to 30 total trees then one bait site at each corner and then along each side every other tree.
3. 31 to 150 total trees then one bait site at each corner and then along each side every third tree. Interior rows are needed when the maximum distance between perimeter rows exceeds 180 feet.
4. 150 to 225 total trees then one bait site at each corner and then along each side every third tree plus one middle row with bait site spacing every third tree. Interior rows are needed when the maximum distance between perimeter rows exceeds 180 feet.



STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in cool dry area away from direct sunlight, heat or open flame.

PESTICIDE DISPOSAL: The used plastic wrap, delta feeders, and hanging feeders can be removed from the field when pest is controlled and/or are no longer needed. Collect the used plastic wrap, delta feeders, and hanging feeders and dispose of them in the trash or in a sanitary landfill.

CONTAINER HANDLING: Nonrefillable containers. Do not reuse or refill the plastic jar or the cardboard box. Remove as much of the gel as possible using a spatula or half teaspoon. When empty, offer the plastic jar and cardboard box for recycling if available or dispose of in trash or in a sanitary landfill.

{Note to Reviewer

Bracketed information is optional text.

The word "and" may be substituted with "&".

All directions may be written in numbered form or in paragraph form.}

[Optional Marketing Claims – may be placed anywhere on the label/container:]

[INSECTICIDE]

[Insecticidal Bait]

[Kills the Olive Fruit Fly]

[Control of the Olive Fruit Fly when used as directed]

[For control of the Olive Fruit Fly (*Bactrocera oleae*)]

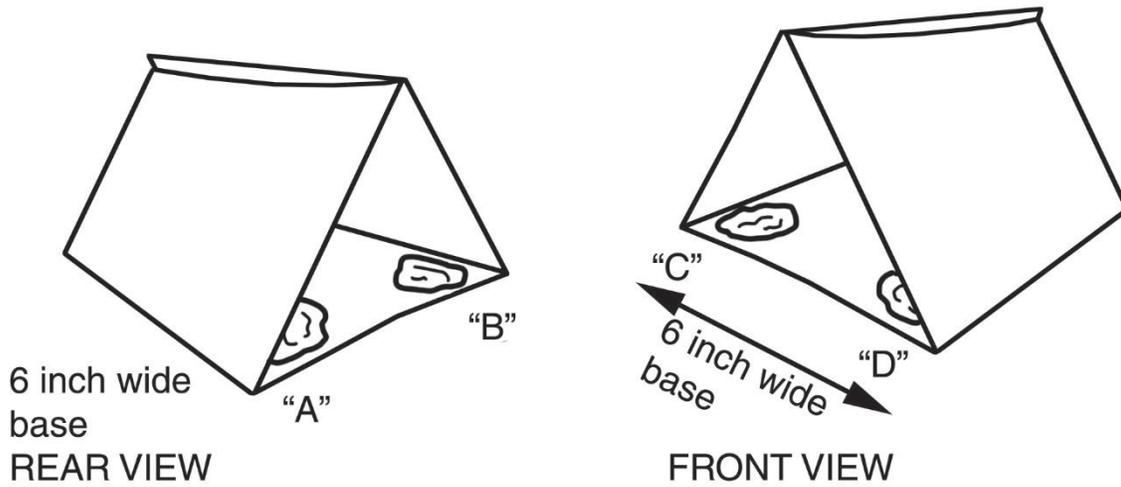
WARRANTY AND LIMITATION OF DAMAGES

To the extent consistent with applicable law, Tephritid Control, Inc. warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use. To the extent consistent with applicable law, Tephritid Control, Inc. neither makes nor authorizes any agent or representative to make any other warranty of fitness or of merchantability, guarantee or representation, express or implied, concerning this material. To the extent consistent with applicable law, Tephritid Control, Inc.'s maximum liability for breach of this warranty shall not exceed the purchase price of this product. To the extent consistent with applicable law, the buyer and user acknowledge and assume all risks and liabilities resulting from the handling storage and use of this material contrary to label instructions.

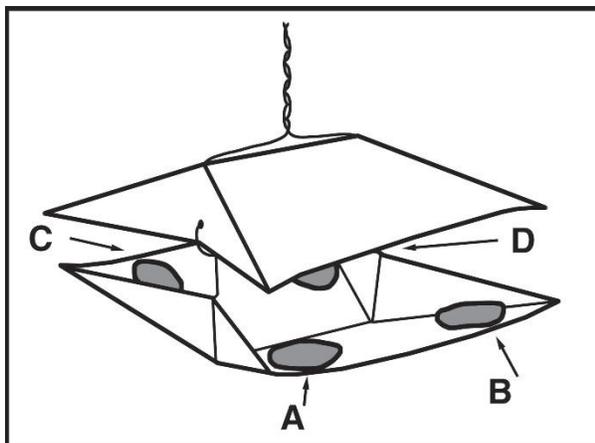
[The following graphics and text are optional. *Optional text may be placed anywhere on the label/container.* They will be affixed to the label so that it does not interfere with any of the label text.]

[

Waxed paper or cardboard Delta Type Feeder with minimum 6 inch wide bottom – FRONT AND REAR VIEWS]



[Optional Image – Waxed paper or cardboard Hanging Feeder]



[Optional Image – Standing pedestal bait sites consist of a 12” by 12” wooden board attached to a stake that is driven into the ground firmly.]

